

Section 100- LEM Clarification/Interpretation Request Form

<p>LANL Engineering Manual (LEM) Chapter(s): 6</p> <p>Technical Discipline(s): Mechanical</p> <p>Section(s): 102 Required Documents; 201.3 Plumbing Systems; and the UBC, UPC, and UMC.</p>	<p>C/I 2001-01</p>
<p>Petitioner(s): Ken Johnson, ESH-13</p>	
<p>Inquiry: Which Plumbing and Mechanical Codes must LANL follow?</p>	
<p>Existing wording: The LEM invokes the IAPMO UPC without date, and doesn't discuss the UMC.</p> <p>The WSS invokes the 1997 ICBO UBC; UBC Section 2801 requires HVAC/R systems to be per the Mechanical Code, and in Section 214—M defines Mechanical Code as "...the Uniform Mechanical Code promulgated by [the ICBO], as adopted by this jurisdiction."</p> <p>The WSS also requires that LANL follow NM Regulations: "Requirements of applicable federal, state, and local laws and regulations that address the environment, safety, and health, unless relief has been granted in writing by the appropriate regulatory agency."</p> <p>The State of NM follows the '97 IAPMO UMC and UPC with certain exceptions (see attached).</p>	
<p>Clarification ____ Interpretation <u>X</u></p> <p>Based on correspondence with the Mechanical Technical Committee, the LEM Mechanical POC issues the following interpretation of the 1997 ICBO UBC and LEM Chapter 6:</p> <p>The 1997 IAPMO UMC and UPC with Appendices shall be followed as adopted and amended by the 1997 New Mexico Plumbing and Mechanical Code, with the following changes:</p> <p>Subpart I/UPC, Chapter 12, Section 1211.16 -- LANL requires #10 AWG EPR-USE vice #18 AWG.</p> <p>Subpart II/UMC, Chapter 9 – LANL adopts the entire chapter as-is.</p> <p>LEM Chapter 6 will be revised to so state.</p> <p>Additional discussion:</p> <p>For the UPC, there is no conflict – the State follows the '97 IAPMO, and so should LANL.</p> <p>For the UMC, there is an apparent conflict -- the UBC requires ICBO and NM requires IAPMO. This is resolved by specifically adopting the IAPMO UMC to be consistent with NM, the WSS, and the experience of local contractors. This decision is allowable since the jurisdiction (AHJ) interprets the codes, and commonly makes exceptions or changes. At LANL, the AHJ for this question is the Mechanical POC ever since the LEM Tech Review Board authorized the discipline POCs to act as discipline AHJs -- so long as no other AHJ was in place (e.g., Fire, Electrical) -- on 6/13/00.</p>	

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Technical Committee POC: __Tobin Oruch __ Date: __1/9/01__
Distribution (via e-mail): Petitioner(s): Ken Johnson TRB Chairman: Mitch Harris Other POCs Standards Manager: Tobin Oruch LEM Webmaster (for posting): Tracy Fosbre Mechanical Tech Committee